NARSTO Quality Systems Science Center 2002-2003 Annual Report

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Oak Ridge National Laboratory
U.S. Department of Energy



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QSSC Activities for 2002-2003

Released Version 2.3 of Data Exchange Standard (DES)

- Maintained standard value reference tables
- Continued update and distribution of DES Read & Verify Code

Archived Data Sets

- SOS Nashville 1999
- Atlanta 1999

(See following table for specifics.)

- EPA Supersites
- Continued support for Data Coordinators and Investigators preparing data for archiving

Continued support for EPA Supersites Program

- •Led regular conference calls with Project Data Coordinators
- •Worked with PIs to adapt DES for single-particle mass spec data

Initiated interactions with Mexico City Metropolitan Area Program

Continued productive interactions with Bill Sukloff, Environment Canada, MSC

QSSC Plans for 2003-2004

Update NARSTO Program quality management, quality planning, and data management plans.

Initiate interactions with new programs.

Continue "Activities" on previous slide.

Future Concerns and Considerations

Level funding while data flow and program interactions increase.

More direct program support and funding?



QSSC Web Site User Statistics:

QSSC Home Page

Period: Apr. 2002 – Feb. 2003

(11 months)

Unique Visitors: $\sim 7,767$

Total Visits: $\sim 12,000$

Visits / Month: $\sim 1,000$ (420 previous)

Domains Represented:

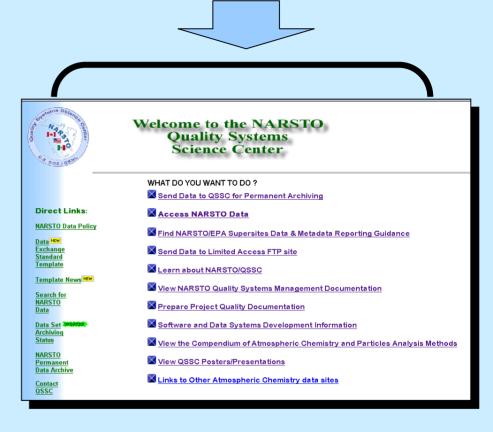
•	.edu, .gov, .org	(.us)	15 %
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• .com, .net 33 %

• unidentified 30 %

• identified 22 %

other than .us



http://cdiac.ornl.gov/programs/NARSTO/

[Europe 10 %, Canada 3 %, Pacific Rim 4 %, South Pacific 2 %, Mexico and South America 1 %]

QSSC Web SiteUser Statistics:

NARSTO/EPA Supersites Data & Metadata Reporting Guidance Page

Period: Apr. 2002 – Feb. 2003

(11 months)

Unique Visitors: ~ 450

Total Visits: ~ 715

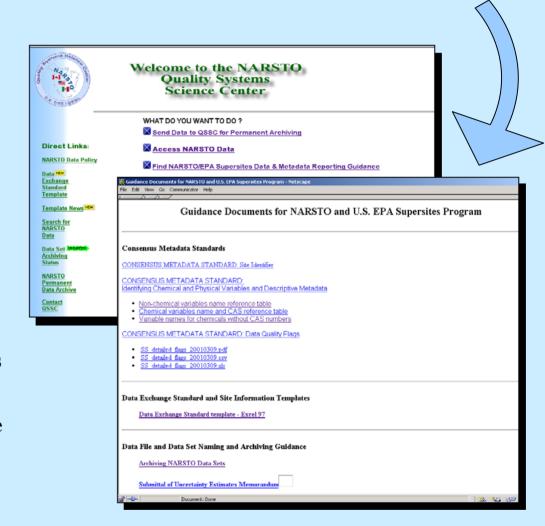
Visits / Month: ~ 65

(60 previous)

Unique visitor = host = an IP address

A <u>visit</u> is defined as a series of consecutive views of a web site by the same visitor.

All visits by a visitor in a 1 hour period are counted as 1 visit.



http://cdiac.ornl.gov/programs/NARSTO/epasupersites.htm

QSSC Web Site User Statistics:

Data Exchange Standard Template

Period: Apr. 2002 – Feb. 2003

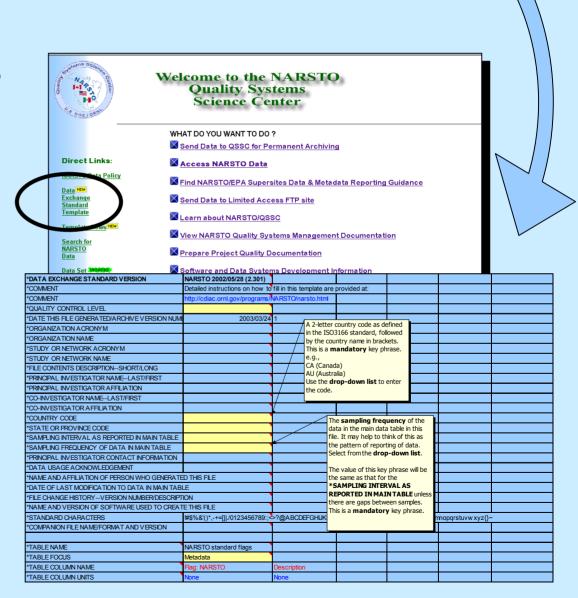
(11 months)

Unique Visitors: ~ 365

Total Visits: ~ 742

Visits / Month: ~ 65

(35 previous)



QSSC <u>FTP</u> Site User Statistics:

Period: Apr. 2002 – Feb. 2003

(11 months)

Unique Users: ∼ 142

Total Data Files: $\sim 3,100$

Projects:

EPA Supersites—

Atlanta 150 Houston 225

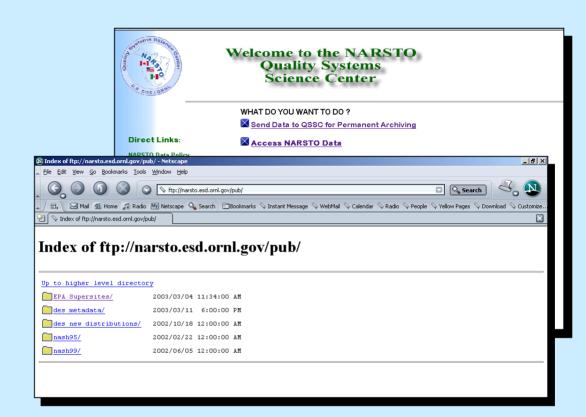
Los Angeles 135

SOS Nashville 1995 1,300

Nashville 1999 950

DES Metadata Tables 300

Data Files Downloaded



Largest Users:

- •University of Alabama Huntsville
- •Vanderbilt University
- •Georgia Tech
- •Clarkson University (EPA Supersites RDB)
- •Langley DAAC / Permanent Data Archive

NARSTO Data Usage and Acknowledgement Policy

Purpose:

The NARSTO data usage policy encourages open data sharing, cooperation, and synergism. The policy is implemented to ensure that potential data users have ready access to data in a timely manner; intellectual property rights are respected; and coauthorship, acknowledgement, or credit is given to data originators, principal investigators (PIs), funding agencies, and data archive centers.

Timeliness:

Projects and data generators should make their quality assured data available to the NARSTO archive and to the public within one year after data collection / generation unless an alternative schedule is specified in approved project plans.

Cooperation:

We recommend informing PIs and data originators that you are using their data.

- Offer participation as co-authors of publications
- Data files and data set documentation should contain contact information

No exclusive rights to data archived at the NARSTO Permanent Data Archive.

NARSTO Data Usage and Acknowledgement Policy, cont.

Acknowledgement and Data Citation:

When publishing, acknowledge NARSTO and supporting/funding organizations.

- Include NARSTO as a keyword to facilitate subsequent searches of bibliographic databases.
- Include a bibliographic citation for data obtained from the NARSTO Permanent Data Archive, as indicated in data set documentation
- Include the following acknowledgement: These data were obtained from the NARSTO data archive maintained at the NASA Langley Research Center Atmospheric Sciences Data Center.

We recommend sending courtesy copies of publications to the NARSTO QSSC, the NASA Langley Research Center Atmospheric Sciences Data Center, Pls, data originators, and funding organizations.

NARSTO Data Set Archiving Status

Row color legend shown below. This material was last updated on March 15, 2003 and will be maintained on a monthly schedule. Contact the NARSTO QSSC below.

Project	Project Data Sets	Current Data Set Location	Data Set Status	Date of Last Action	Data Contact
EPA Supersites Atlanta	Numerous Met and AQ Data Files (38)	Public FTP Site	Langley DAAC Processing	2003/03/15	<u>Carlos</u> <u>Cardelino</u>
EPA Supersites Atlanta	RSPMS (Wexler)	NARSTO PDA	Archived	2002/12/17	<u>Keith Bein</u>
EPA Supersites Atlanta	Wind Profiler	Project Data System	QSSC - Project Review	2003/03/15	<u>Carlos</u> <u>Cardelino</u>
EPA Supersites Baltimore			Delayed October	2003/01/25	John Ondov
EPA Supersites Fresno	Aethalometer	Limited Access FTP Site	Archive Documentation in Prep	2002/12/15	Dana Trimble
EPA Supersites Fresno	Aethalometerspectral	Limited Access FTP Site	Accepted by QSSC	2003/01/15	<u>Dana Trimble</u>
EPA Supersites Fresno	TEOM 2.5 and 10	Limited Access FTP Site	QSSC - Project Review	2003/03/15	<u>Dana Trimble</u>
EPA Supersites Fresno	PAH	Limited Access FTP Site	QSSC - Project Review	2003/03/15	<u>Dana Trimble</u>
EPA Supersites Fresno	BAM 10	Limited Access FTP Site	QSSC - Project Review	2003/03/15	<u>Dana Trimble</u>
EPA Supersites Fresno	R&P8400S	Project Data System	Project Processing	2003/03/15	<u>Dana Trimble</u>
EPA Supersites Fresno	Meteorological Data	Project Data System	Project Processing	2003/03/15	<u>Dana Trimble</u>
EPA Supersites Fresno	SMPS	Project Data System	Project Processing	2003/03/15	<u>Dana Trimble</u>

	10				
EPA Supersites		Project Data			
Fresno	Climet	System	Project Processing	2003/03/15	<u>Dana Trimble</u>
EPA Supersites		Project Data	 	2002 (22 (45	
Fresno	Lasair	System	Project Processing	2003/03/15	<u>Dana Trimble</u>
EPA SupersitesFresno	R&P 5400C	Project Data	Project Processing	2002/02/15	Dana Trimble
	K&P 3400C	System	Project Processing	2003/03/13	<u>Daria minibie</u>
EPA Supersites Fresno		Project Data System	Project Processing	2003/03/15	Dana Trimble
EPA Supersites		Project Data	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Fresno	GreenTek	System	Project Processing	2003/03/15	<u>Dana Trimble</u>
EPA Supersites		Project Data			
Fresno	NGN-2 nephelometer	System	Project Processing	2003/03/15	<u>Dana Trimble</u>
EPA Supersites	Bankiala liakka asakania	Project Data	 	2002 (02 (4 5	Dan a Talaskia
Fresno	Particle light scattering	System	Project Processing	2003/03/15	<u>Dana Trimble</u>
EPA Supersites Houston					Gary
TexAQS2000	HCHO_H202 (DASGUPTA)	NARSTO PDA	Archived	2002/06/04	
EPA Supersites					Garv
Houston	NH4_NO3 (Fraser)	NARSTO PDA	Archived	2002/07/12	
EPA Supersites	Rice U (PM2.5 Organic	Project Data			Gary
Houston	Speciation)	System	Project Processing	2003/01/15	<u>McGaughey</u>
EPA Supersites	EDA (MALLIEL)	Project Data	 D!	2002 (04 (45	Gary
Houston	EPA (Moudi)	System	Project Processing	2003/01/15	
EPA SupersitesHouston	ADI (Real-time sulfate/nitrate)	Project Data System	Project Processing	2003/01/15	Gary McGaughey
EPA Supersites	Janace/Hitrate/	Limited Access	QSSC - Project	2003,01713	Stephen R.
Houston	DOE G-1 Aircraft	FTP Site	Review	2003/01/10	
EPA Supersites	Differential Mobility				Gary
Houston		NARSTO PDA	Archived	2002/11/27	
EPA Supersites	Washburn Tunnel				Gary
Houston	Monitoring Data	NARSTO PDA	Archived	2002/10/15	<u>McGaughey</u>

1	,			
EPA Supersites	PM FTIR			<u>Gary</u>
Houston	(UT_Austin/Allen)	NARSTO PDA	Archived	2002/07/12 McGaughey
EPA Supersites			Langley DAAC	
Houston	RSPMS (Wexler)	Public FTP Site	Processing	2003/01/15 Keith Bein
EPA Supersites		Project Data		
Los Angeles	Aethalometer	System	Project Processing	2002/05/31 RC Yu
EPA Supersites				
Los Angeles	APS	NARSTO PDA	Archived	2002/02/14 RC Yu
EPA Supersites		Limited Access	QSSC - Project	
Los Angeles	Carbon	FTP Site	Review	2003/03/15 RC Yu
EPA Supersites		Limited Access	QSSC - Project	
Los Angeles	Nitrate	FTP Site	Review	2003/03/15 RC Yu
EPA Supersites		Project Data		
Los Angeles	Partisol	System	Project Processing	2002/05/31 RC Yu
EPA Supersites	OL ADO	LUDOTO DD.		2000 (4.0 (20 0.0)
Los Angeles	SMPS	NARSTO PDA	Archived	2002/10/08 RC Yu
EPA Supersites	TEOM	Limited Access	QSSC - Project	2002 (22 (45 22)
Los Angeles	TEOM	FTP Site	Review	2003/03/15 RC Yu
EPA Supersites	0	Limited Access	QSSC - Project	2002 (4.2 (4.5 The Colored
New York	Gas	FTP Site	Review	2002/12/15 <u>Tim Coleman</u>
EPA Supersites	DN 4 N 4	Limited Access	QSSC - Project	2002/42/45 Time Calaman
New York	PM Mass	FTP Site	Review	2002/12/15 <u>Tim Coleman</u>
EPA Supersites New York	PM Size	Limited Access FTP Site	QSSC - Project Review	2002/12/15 Tim Colomon
	PM SIZE			2002/12/15 <u>Tim Coleman</u>
EPA Supersites New York	PM Composition	Limited Access FTP Site	QSSC - Project Review	2002/12/15 Tim Coleman
	PIVI COMPOSITION			2002/12/13 Hill Coleman
EPA Supersites New York	Met Data	Limited Access FTP Site	QSSC - Project Review	2002/12/15 Tim Coleman
	Ince Data	Project Data	I CALCAL	2002/12/13 Till Coleman
EPA Supersites New York	SPECIAL STUDIES	System	Project Processing	2002/12/15 Tim Coleman
EPA Supersites	Inorganic (Steam	Project Data	QSSC - Project	Allen
Pittsburg	Sampler)	System	Review	2002/12/15 Robinson
	odinpier)			2502/12/15 1000113011

EPA Supersites Gas (Several	FTP Site Project Date Flometer) System Limited Acc FTP Site	Project Process QSSC - Project	essing 2002/12/	Allen Robinson
Pittsburgh Instruments)		Review	2002/12/	Allen 15 <u>Robinson</u>
EPA Supersites Pittsburgh PM Size (Severa Instruments)	Project Dat System	ta Project Proce	essing 2002/12/	Allen 15 <u>Robinson</u>
EPA SupersitesPittsburgh PM Mass (FRM, [Project Dat Dichot) System	ta Project Proc	essing 2002/12/	Allen 15 <u>Robinson</u>
EPA SupersitesPittsburgh PM Organic (Sev Instruments)	eral Limited Acc FTP Site	CCESS QSSC - Proje Review		Allen 15 <u>Robinson</u>
EPA Supersites Pittsburgh PM Inorganic (M Inorganic)	OUDI Project Dat System	ta Project Proc	essing 2002/12/	Allen 15 <u>Robinson</u>
EPA SupersitesPittsburgh PM Metal (Sever Instruments)	al Project Dat System	ta Project Proce	essing 2002/03/	Allen 13 <u>Robinson</u>
EPA SupersitesPittsburgh Fog (CSU)	Limited Acc FTP Site	ccess QSSC - Proje Review	ect 2002/12/	Allen 15 <u>Robinson</u>
EPA SupersitesPittsburgh Satellite Measur	ement Project Dat System	ta Project Proce	essing 2002/12/	Allen 15 <u>Robinson</u>
EPA SupersitesPittsburgh RSPMS (Wexler)	Limited Acc FTP Site	Archive ccess Documentat Prep		15 <u>Keith Bein</u>
EPA Supersites St. Louis			2003/03/	15 <u>Jay Turner</u>
Mexico City Metropolitan Area Program			2003/03/	Benjamin de 15 <u>Foy</u>
NARSTO model intercomparison project			2002/10/	15 <u>Alan Hansen</u>

NE ODG		Project Data		2002 (0.4 (4.5	Russell
NE-OPS		System		2002/04/15	
	NEXRAD	NARSTO PDA	Archived	1998/09/15	
NARSTO NE-95	Surface O3, NOx	NARSTO PDA	Archived	1998/09/15	L.A.Hook
Pacific 2001	Aloft Measurements	Limited Access FTP Site	Completed	2003/03/15	Bill Sukloff
Pacific 2001	Surface Measurements	Limited Access FTP Site	Completed	2003/03/15	Bill Sukloff
Pacific Northwest 2001	DOE G-1	Limited Access FTP Site	QSSC - Project Review	2002/08/28	Tom Jobson
SEARCH		Project Data System	Project Processing		Ben Hartsell
SOS Nashville 1995	Atmospheric Chemistry and Meteorology Data	Public FTP Site	Archived	2002/02/22	<u>L.A.Hook</u>
	DOE G-1	NARSTO PDA	Archived	2002/06/05	<u>Carl</u> <u>Berkowitz</u>
SOS Nashville 1999	NOAA Caribou				
SOS Nashville 1999	NOAA WP-3D	NARSTO PDA	Archived	2002/04/15	Donna Sueper
SOS Nashville 1999	Surface Air Chem.	Project Data System	Project Processing	2002/01/22	<u>Eric Williams</u>
SOS Nashville 1999	Surface Met and Chem	NARSTO PDA	Archived	2002/05/12	<u>Ken Olszyna</u>
SOS Nashville 1999	TVA Bell	Project Data System	Project Processing	2002/03/08	Ken Olszyna, Ray Valente, Roger Tanner
SOS Nashville 1999	ETL lidar data	Project Data System	Project Processing	2002/01/22	<u>Christoph</u> <u>Senff</u>
SOS Nashville 1999	Wind Profilers	NARSTO PDA	Archived	2002/04/17	<u>Wayne</u> <u>Angevine</u>
3	Southern Research Institute	Project Data System	Project Processing		Bill Farthing

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Toronto Supersite	Project Data System	Project Processing	2003/01/14	<u>Bill Sukloff</u>
Data Access - ROW COLOR LEGEND	BLUE: Access data on NARSTO <u>Permanent Data</u> <u>Archive</u> , Langley DAAC	data on the QSSC	TAN: Project password access to data on <u>Shared/</u> <u>Limited Access</u> <u>FTP Site</u>	

Last Updated on 2003/03/14 By QSSC Contact -- L.A Hook Email: hookla@ornl.gov